

Title (en)

Gas turbine combustor and gas turbine

Title (de)

Gasturbinenbrennkammer und Gasturbine

Title (fr)

Appareil de combustion pour turbine à gaz et turbine à gaz

Publication

EP 0753704 B1 20050202 (EN)

Application

EP 96111206 A 19960711

Priority

JP 17462095 A 19950711

Abstract (en)

[origin: EP0753704A1] A cylindrical gas turbine combustor, burning injected fuel and guiding the combustion gas to turbine nozzles 14, is characterized in that a cylindrical portion of the combustor such as combustor liner 15, a transition piece 16, exposed to the combustion gas is made of austenitic Fe base casting alloy, Ni base casting alloy or Co base casting alloy. The gas turbine combustor which has excellent thermal fatigue and long life is obtained. A gas turbine employs the combustor. <IMAGE>

IPC 1-7

F23R 3/00; **C22C 38/10**

IPC 8 full level

C22C 38/10 (2006.01); **F01D 5/28** (2006.01); **F02C 6/18** (2006.01); **F23R 3/00** (2006.01)

CPC (source: EP US)

C22C 38/105 (2013.01 - EP US); **F01D 5/288** (2013.01 - EP US); **F02C 6/18** (2013.01 - EP US); **F23R 3/00** (2013.01 - EP US); **F23C 2900/03001** (2013.01 - EP US); **Y02T 50/60** (2013.01 - EP US); **Y10S 60/902** (2013.01 - EP US)

Cited by

EP1106927A1; EP1925683A4; EP2354262A1; EP2050830A3; EP2383356A1; DE19959292A1; US9297277B2; US8668437B1; US8956471B2; US9567656B2; US7243426B2; WO0196712A1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0753704 A1 19970115; **EP 0753704 B1 20050202**; DE 69634287 D1 20050310; DE 69634287 T2 20051117; US 5964091 A 19991012

DOCDB simple family (application)

EP 96111206 A 19960711; DE 69634287 T 19960711; US 67939896 A 19960709